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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	<b>Application Number</b>	10/040,953
	<b>Filing Date</b>	1/5/02
	<b>First Named Inventor</b>	Steven Teig
	<b>Group Art Unit</b>	2825
	<b>Examiner Name</b>	A. Liu
<b>Total Number of Pages in This Submission</b>	<b>Attorney Docket Number</b>	SPLX.P0024

Enclosures (Check all that apply)		
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Signature	
Date	November 17, 2003

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Typed or printed name	Mani Adeli		
Signature		Date	November 17, 2003

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PATENT  
Docket No. SPLX.P0024

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\_\_\_\_\_  
Marie Adeli

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig

Serial No.: 10/040,953

Filing Date: 1/5/02

For: LP METHOD AND APPARATUS FOR  
IDENTIFYING ROUTE  
PROPAGATIONS

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**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97**

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Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

11/24/2003 WNEKONEH 00000095 10040953

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This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

This Information Disclosure Statement is submitted after receipt of a first Office Action on the merits but before the Final Office Action. Accordingly, a fee is required. The requisite fee is attached.

However, in the unlikely event that the Patent Office determines that additional fees, extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 50-1128** referencing SPLX.P0024. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: November 17, 2003

Respectfully submitted,

By: 

**Mari Adeli**

Registration No. 39,585

Stattler, Johansen & Adeli LLP

P.O. Box 51860

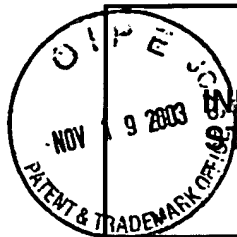
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	7	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/040,953</td> </tr> <tr> <td>Filing Date</td> <td>1/5/02</td> </tr> <tr> <td>First Named Inventor</td> <td>Steven Teig</td> </tr> <tr> <td>Group Art Unit</td> <td>2825</td> </tr> <tr> <td>Examiner Name</td> <td>A. Liu</td> </tr> <tr> <td>Attorney Docket Number</td> <td>SPLX.P0024</td> </tr> </table>	Application Number	10/040,953	Filing Date	1/5/02	First Named Inventor	Steven Teig	Group Art Unit	2825	Examiner Name	A. Liu	Attorney Docket Number	SPLX.P0024
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First Named Inventor	Steven Teig														
Group Art Unit	2825														
Examiner Name	A. Liu														
Attorney Docket Number	SPLX.P0024														

### U.S. PATENT DOCUMENTS

Examiner* Initials	Cite No. <sup>1</sup>	U.S. Patent Document Number Kind Code <sup>2</sup> (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	2001/0009 031	A1	07-19-2001	Nitta et al.
	2.	2002/0182 844	A1	12-05-2002	Igarashi et al.
	3.	2003/0005 399	A1	01-02-2003	Igarashi et al.
	4.	4,593,363		06-03-1986	Burstein et al.
	5.	5,267,176		11-30-1993	Antreich et al.
	6.	5,566,078		10-15-1996	Ding et al.
	7.	5,587,923		12-24-1996	Wang
	8.	5,618,744		04-08-1997	Suzuki et al.
	9.	5,635,736		06-03-1997	Funaki et al.
	10.	5,637,920		06-10-1997	Loo
	11.	5,640,327		06-17-1997	Ting
	12.	5,663,891		09-02-1997	Bamji et al.
	13.	5,757,089		05-26-1998	Ishizuka
	14.	5,784,289		07-21-1998	Wang
	15.	5,798,936		08-25-1998	Cheng
	16.	5,838,583		11-17-1998	Varadarajan et al.
	17.	5,889,677		03-30-1999	Yasuda et al.
	18.	5,980,093		11-09-1999	Jones et al.
	19.	6,070,108		05-30-2000	Andreev et al.
	20.	6,128,767		10-03-2000	Chapman

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Substitute for form 1449A/PTO			Applicati n Num b r	10/040,953
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Filing Date	1/5/02
			First Named Invent r	Steven Teig
			Group Art Unit	2825
			Examiner Name	A. Liu
Sheet	2	7	Attorney Docket Number	SPLX.P0024

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	21.	6,150,193		11-21-2000	Glenn	
	22.	6,209,123	B1	03-27-2001	Maziasz et al.	
	23.	6,219,832	B1	04-17-2001	Buzbee	
	24.	6,226,560	B1	05-01-2001	Hama et al.	
	25.	6,249,902	B1	06-19-2001	Igusa et al.	
	26.	6,253,363	B1	06-26-2001	Gasarov et al.	
	27.	6,295,634	B1	09-25-2001	Matsumoto	
	28.	6,307,256		10-23-2001	Chiang et al.	
	29.	6,316,838	B1	11-13-2001	Ozawa et al.	
	30.	6,324,674	B2	11-27-2001	Andreev et al.	
	31.	6,324,675	B1	11-27-2001	Dutta et al.	
	32.	6,327,693	B1	12-04-2001	Cheng et al.	
	33.	6,330,707	B1	12-11-2001	Shinomiya et al.	
	34.	6,407,434	B1	06-18-2002	Rostoker et al.	
	35.	6,415,422	B1	07-02-2002	Mehrotra et al.	
	36.	6,442,743	B1	08-27-2002	Sarrafzadeh et al.	
	37.	6,448,591	B1	09-10-2002	Juengling	
	38.	6,473,891	B1	10-29-2002	Shively	
	39.	6,480,991	B1	11-12-2002	Cho et al.	
	40.	6,490,713	B2	12-03-2002	Matsumoto	
	41.	6,519,751	B2	02-11-2003	Sriram et al.	
	42.	6,543,043	B1	04-01-2003	Wang et al.	
	43.	6,546,540	B1	04-08-2003	Igarashi et al.	

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**INFORMATION DISCLOSURE  
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Sheet <input type="text" value="3"/> of <input type="text" value="7"/>				Applicant Number	10/040,953
				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu
				Attorney Docket Number	SPLX.P0024

**U.S. PATENT DOCUMENTS**

	44.	6,557,145	B2	04-29-2003	Boyle et al.	
	45.	6,567,967	B2	05-20-2003	Greidinger et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner* Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known)				
	46.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	47.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	48.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	49.	JP	H05-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	50.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the	✓

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				<b>Examiner Name</b>	A. Liu
<b>Sheet</b>	4		7	<b>Attorney Docket Number</b>	SPLX.P0024

FOREIGN PATENT DOCUMENTS							
						application.	
51.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
52.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

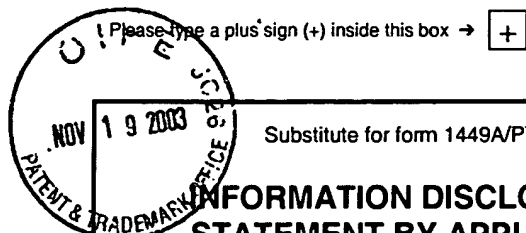
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Sheet	5	7	Attorney Docket Number	SPLX.P0024

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### FOREIGN PATENT DOCUMENTS

### NON PATENT LITERATURE DOCUMENTS

Examiner* Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	53.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.	
	54.	Brady, L. et al., Channel Routing on a 60° Grid, extended abstract, pp. 956-931.	
	55.	Brambilla, A. et al., Statistical Method for the Analysis of Interconnects Delay in Submicrometer Layouts, IEEE, 8/2001, pp. 957-966.	
	56.	Carothers, K., A Method of Measuring Nets Routability for MCM's General Area Routing Problems, 1999, pp. 186-192.	
	57.	Chen, H. et al., Physical Planning of On-Chip Interconnect Architectures, 2002, IEEE, International Conference, pp. 30-35.	
	58.	Cheng, K., Steiner Problem in Octilinear Routing Model, a Thesis Submitted for the Degree of Master of Science, National University Singapore, 1995, pp. 1-122.	
	59.	Chip Model with Wiring Cost Map, August 1983, IBM Technical Disclosure Bulletin, vol. 26, iss. 3A, pp. 929-933.	
	60.	Cong, J. et al., Efficient Heuristics for the Minimum Shortest Path Steiner Arboriness Problem with Applications to VLSI Physical Design, Cadence Design Systems and UCLA Computer Science Department, pp.88-95.	
	61.	Cong, J. et al., Performance-Driven Multi-Layer General Routing for PCB/MCM Designs, UCLA Computer Science Department, 1998, pp. 356-361.	
	62.	Enbody, R. et al., Near-Optimal <i>n</i> -Layer Channel Routing, 23 <sup>rd</sup> Design Automation Conference, 1986, pp. 708-714.	
	63.	Fang, S. et al., Constrained Via Minimization with Practical Considerations for Multi-Layer VLSI/PCB Routing Problems, 28 <sup>th</sup> ACM/IEEE Design Automation Conference, 1991, pp. 60-65.	
	64.	Hom, I. et al., Estimation of the Number of Routing Layers and Total Wirelength in a PCB Through Wiring Distribution Analysis, 1996, pp. 1-6.	
	65.	Hong, X. et al., Performance-Driven Steiner Tree Algorithms for Global Routing, 30 <sup>th</sup> ACM/IEEE Design Automation Conference, 1993, pp. 177-181.	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	1/5/02
				First Named Invent r	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu
Sheet	6		7	Attorney Docket Number	SPLX.P0024

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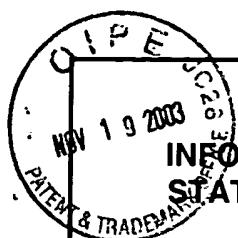
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